

**COMBINED DECLARATION AND POWER OF ATTORNEY
FOR UTILITY PATENT APPLICATION**

Attorney's Docket No.

030681-354

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I BELIEVE I AM THE ORIGINAL, FIRST AND SOLE INVENTOR (if only one name is listed below) OR AN ORIGINAL, FIRST AND JOINT INVENTOR (if more than one name is listed below) OF THE SUBJECT MATTER WHICH IS CLAIMED AND FOR WHICH A PATENT IS SOUGHT ON THE INVENTION ENTITLED:

PERPENDICULAR MAGNETIC THIN FILM FOR ULTRAHIGH DENSITY RECORDING

the specification of which

(check one)

☒ is attached hereto;

☐ was filed on _____ as

Application No. _____

and was amended on _____;
(if applicable)

I HAVE REVIEWED AND UNDERSTAND THE CONTENTS OF THE ABOVE-IDENTIFIED SPECIFICATION, INCLUDING THE CLAIMS, AS AMENDED BY ANY AMENDMENT REFERRED TO ABOVE;

I ACKNOWLEDGE THE DUTY TO DISCLOSE TO THE OFFICE ALL INFORMATION KNOWN TO ME TO BE MATERIAL TO PATENTABILITY AS DEFINED IN TITLE 37, CODE OF FEDERAL REGULATIONS, Sec. 1.56 (as amended effective March 16, 1992);

I do not know and do not believe the said invention was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to said application; that said invention was not in public use or on sale in the United States of America more than one year prior to said application; that said invention has not been patented or made the subject of an inventor's certificate issued before the date of said application in any country foreign to the United States of America on any application filed by me or my legal representatives or assigns more than twelve months prior to said application;

I hereby claim foreign priority benefits under Title 35, United States Code Sec. 119 and/or Sec. 365 of any foreign application(s) for patent or inventor's certificate as indicated below and have also identified below any foreign application for patent or inventor's certificate on this invention having a filing date before that of the application(s) on which priority is claimed:

COMBINED DECLARATION AND POWER OF ATTORNEY

Attorney's Docket No.

030681-354

COUNTRY/INTERNATIONAL	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
Rep. of Korea	2001-1352	10 January 2001	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>

I hereby appoint the following attorneys and agent(s) to prosecute said application and to transact all business in the Patent and Trademark Office connected therewith and to file, prosecute and to transact all business in connection with international applications directed to said invention:

William L. Mathis	17,337	Samuel C. Miller, III	27,360	Robert M. Schulman	31,196
Peter H. Smolka	15,913	Ralph L. Freeland, Jr.	16,110	William C. Rowland	30,888
Robert S. Swecker	19,885	Robert G. Mukai	28,531	T. Gene Dillahunty	25,423
Platon N. Mandros	22,124	George A. Hovanec, Jr.	28,223	Patrick C. Keane	32,858
Benton S. Duffett, Jr.	22,030	James A. LaBarre	28,632	Bruce J. Boggs, Jr.	32,344
Joseph R. Magnone	24,239	E. Joseph Gess	28,510	William H. Benz	25,952
Norman H. Stepno	22,716	R. Danny Huntington	27,903	Peter K. Skiff	31,917
Ronald L. Grudziecki	24,970	Eric H. Weisblat	30,505	Richard J. McOrath	29,195
Frederick G. Michaud, Jr.	26,003	James W. Peterson	26,057	Matthew L. Schneider	32,814
Alan E. Kopecki	25,813	Teresa Stanek Rea	30,427	Michael G. Savage	32,596
Regis E. Sluter	26,999	Robert E. Krebs	25,885	Gerald F. Swick	30,113
				Charles F. Wieland III	33,096

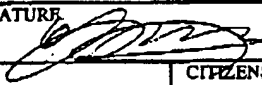
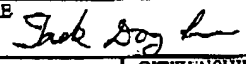
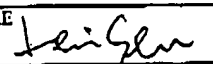
and:

Address all correspondence to:

Charles F. Wieland III
BURNS, DOANE, SWECKER & MATHIS, L.L.P.
P.O. Box 1404
Alexandria, Virginia 22313-1404

Address all telephone calls to: Charles F. Wieland III at (703) 836-6620.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF SOLE OR FIRST INVENTOR Kyung-jin Lee	SIGNATURE 	DATE 7 January 2002
RESIDENCE Suwon-city, Kyungki-do, Rep. of Korea	CITIZENSHIP Korean	
POST OFFICE ADDRESS 824-805 Byeokjeokgol Woosung Apt., 973-3 Youngtong-dong Paldal-gu, Suwon-city, Kyungki-do, Rep. of Korea		
FULL NAME OF SECOND JOINT INVENTOR, IF ANY Taek-dong Lee	SIGNATURE 	DATE 7 January 2002
RESIDENCE Seoul, Rep. of Korea	CITIZENSHIP Korean	
POST OFFICE ADDRESS 212-405 Family Apt., 150 Munjeong-dong, Songpa-gu Seoul, Rep. of Korea		
FULL NAME OF THIRD JOINT INVENTOR, IF ANY In-seon Lee	SIGNATURE 	DATE 7 January 2002
RESIDENCE Seoul, Rep. of Korea	CITIZENSHIP Korean	
POST OFFICE ADDRESS 303-1001 Hyundai Apt., 1256 Guro 3-dong, Guro-gu Seoul, Rep. of Korea		

FULL NAME OF FOURTH JOINT INVENTOR, IF ANY Min-sik Hwang		SIGNATURE <i>Min-sik Hwang</i>	DATE 7 January 2002
RESIDENCE Jeonju-city, Jeollabuk-do, Rep. of Korea		CITIZENSHIP Korean	
POST OFFICE ADDRESS 102-904 Bisabul Apt., 762-1 Seoshin-dong, Wansan-gu Jeonju-city, Jeollabuk-do, Rep. of Korea			
FULL NAME OF FIFTH JOINT INVENTOR, IF ANY		SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF SIXTH JOINT INVENTOR, IF ANY		SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF SEVENTH JOINT INVENTOR, IF ANY		SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF EIGHTH JOINT INVENTOR, IF ANY		SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF NINTH JOINT INVENTOR, IF ANY		SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF TENTH JOINT INVENTOR, IF ANY		SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF ELEVENTH JOINT INVENTOR, IF ANY		SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			
FULL NAME OF TWELFTH JOINT INVENTOR, IF ANY		SIGNATURE	DATE
RESIDENCE		CITIZENSHIP	
POST OFFICE ADDRESS			